



REPLACEMENT SHEET
U.S. Application No. 10/603,994
"Hydrocyclone Roping Detector and Method"
Timothy J. Olson et al.

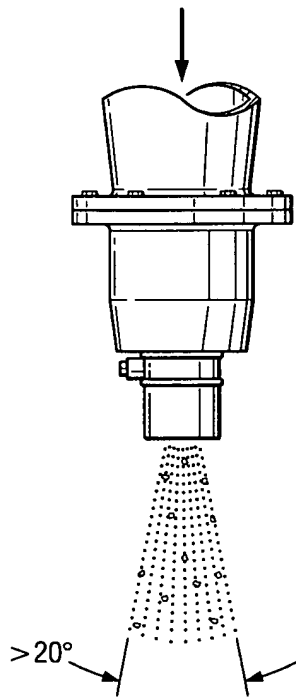


FIG. 1A
(PRIOR ART)

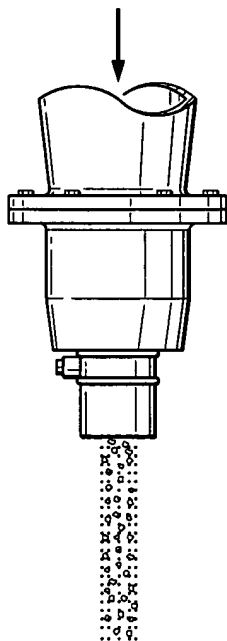


FIG. 1B
(PRIOR ART)

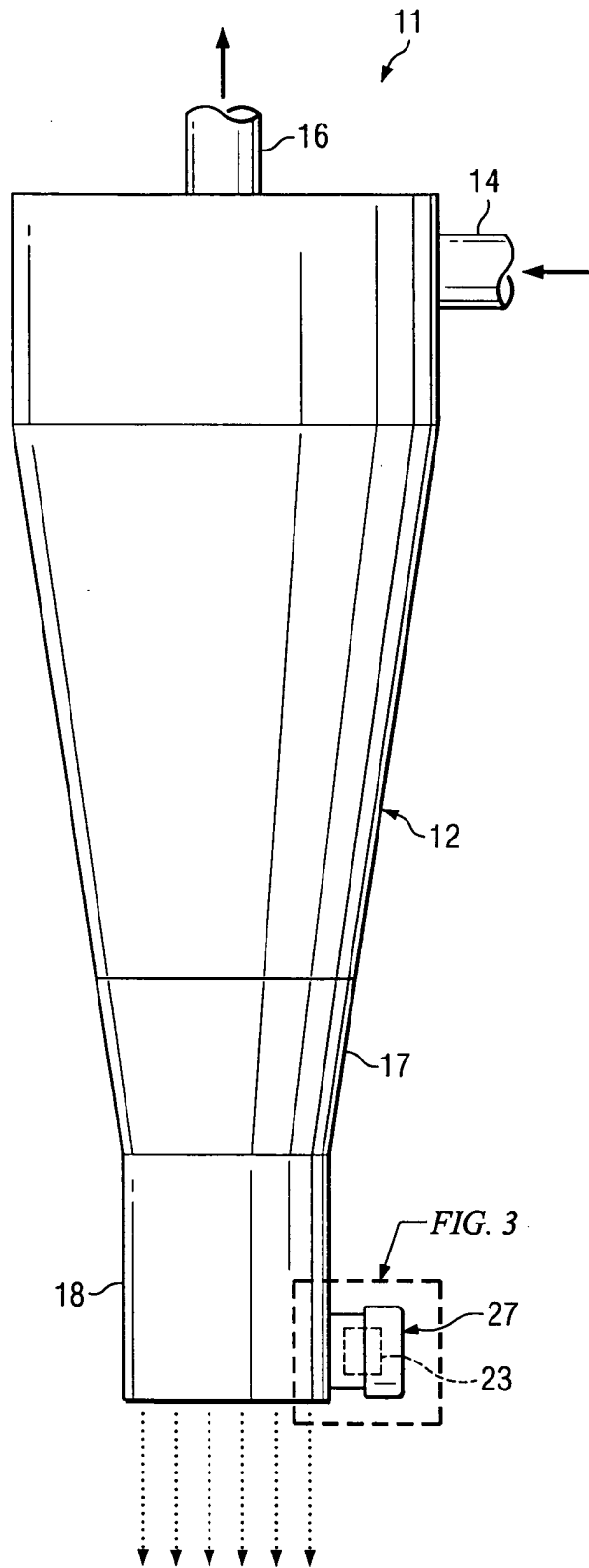
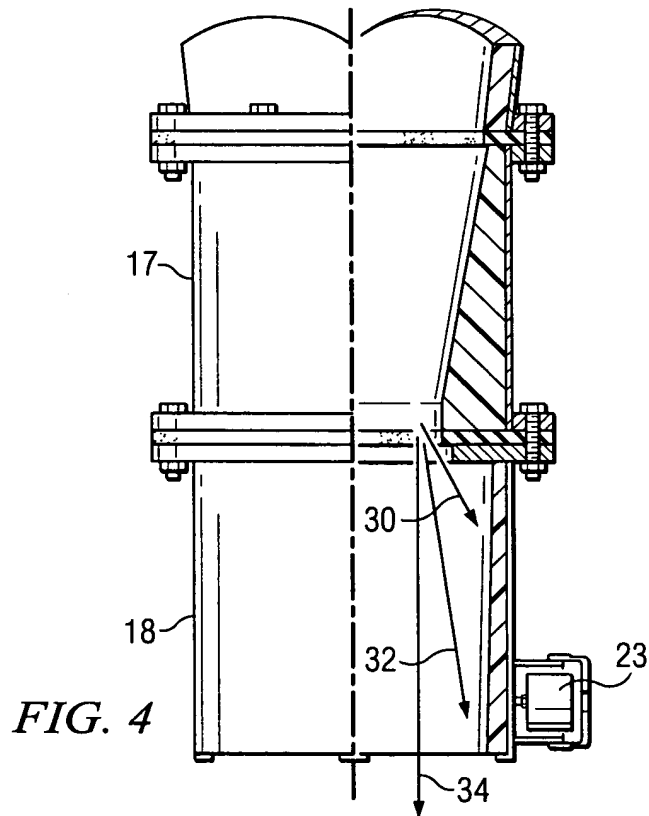
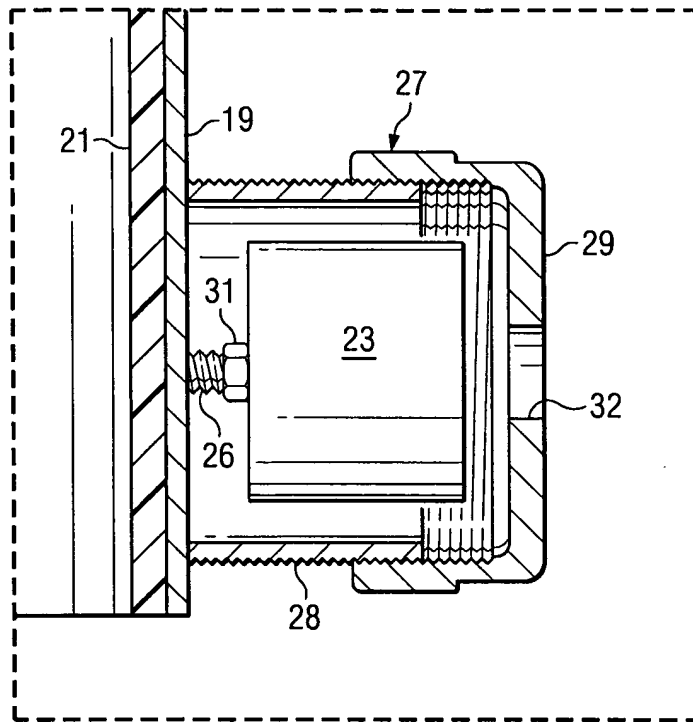


FIG. 2

REPLACEMENT SHEET
U.S. Application No. 10/603,994
"Hydrocyclone Roping Detector and Method"
Timothy J. Olson et al.



Roping Detector

6 psi Current - good flow

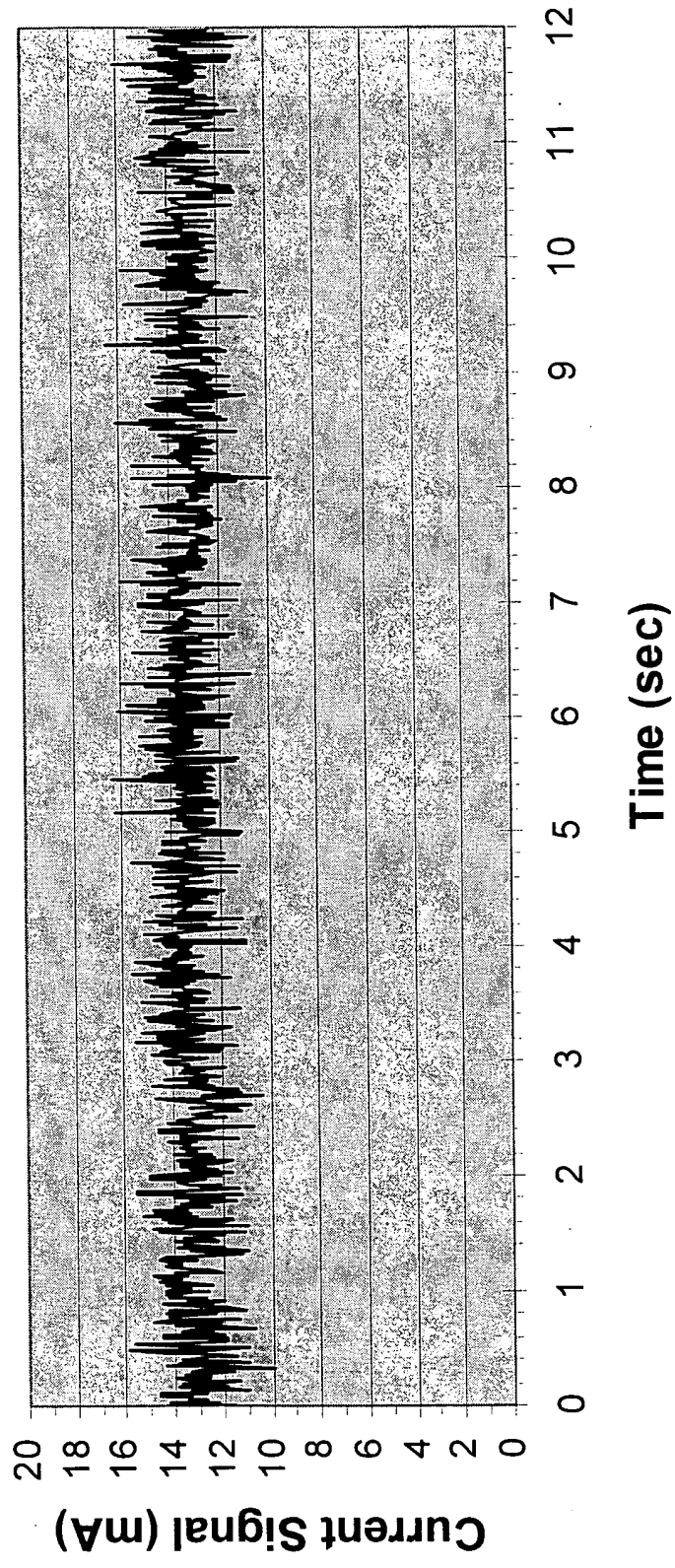


FIG. 5

BEST AVAILABLE COPY

8 psi Current - good flow but missing skirt some

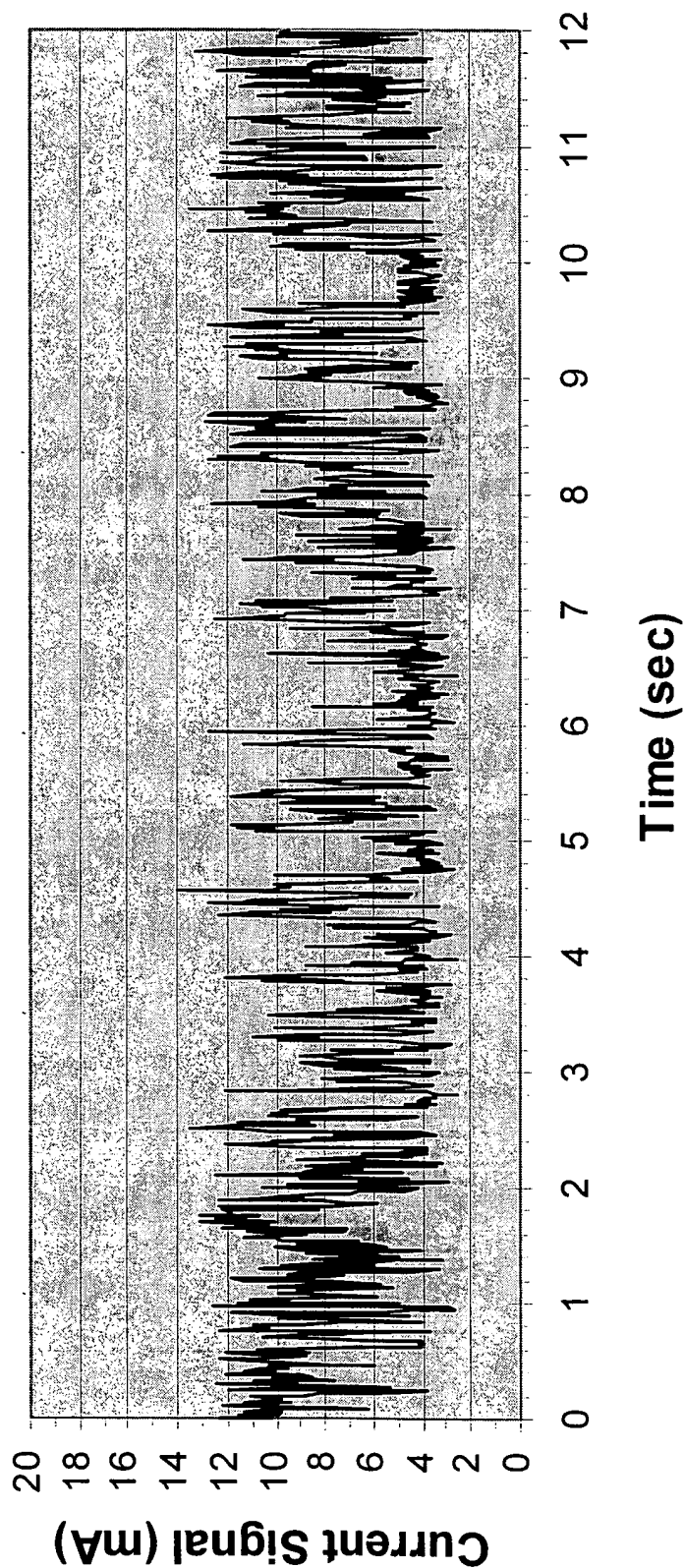


FIG. 6

BEST AVAILABLE COPY

10 psi Current - obvious roping

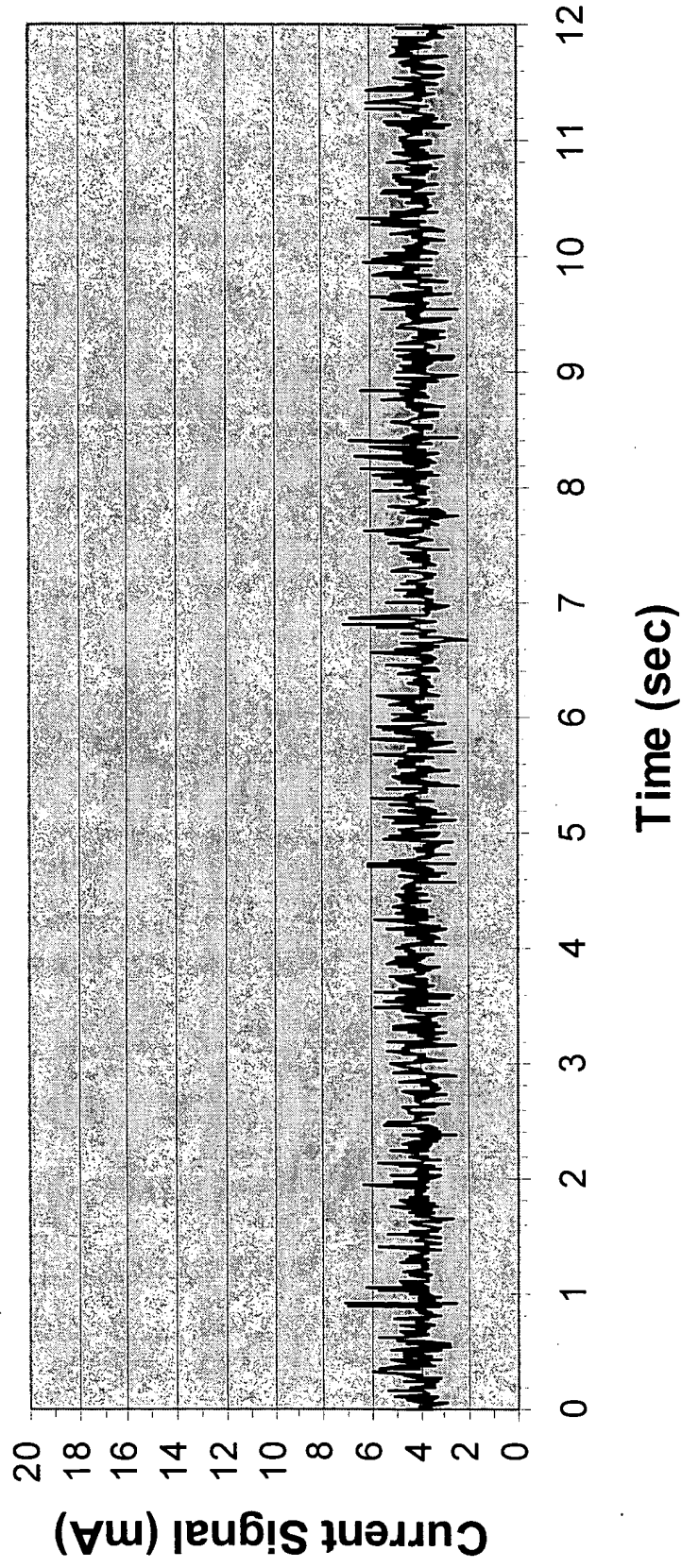


FIG. 7

BEST AVAILABLE COPY